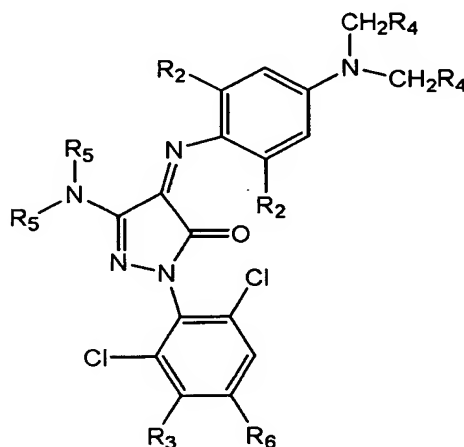


AMENDMENTS TO THE CLAIMS:

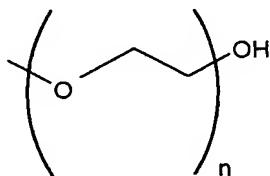
Please amend claims 1-8 ,25-28, and 40 to read as follows:

1. (currently amended) A magenta ink for ink-jet printing, comprising a water-soluble dye having a structure as follows:



R₂ is selected from the group consisting of methyl, ethyl, propyl, isopropyl and halogen;

R₃ is selected from the group consisting of H, SO₃H, COOH, and a polyether group



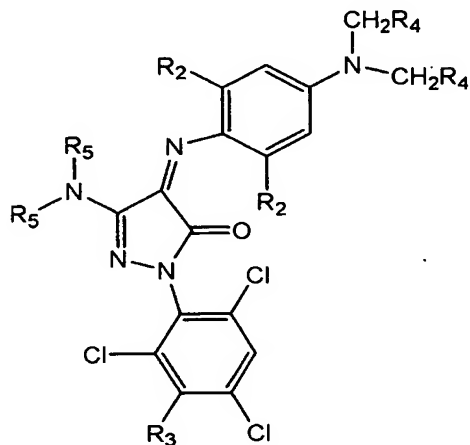
where n is from 2 to 100;

R₄ is selected from the group consisting of H, SO₃H, COOH, CH₂SO₃H, CH₂COOH, C₂H₄SO₃H and C₂H₄COOH;

R₅ is selected from the group consisting of ethyl, propyl, isopropyl, phenyl, substituted phenyl, and R₄; and

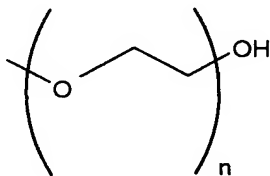
R6 is selected from the group consisting of H, halogen, methyl, amino, substituted amino, R4 and R3.

2. (currently amended) A magenta ink according to claim 1, wherein the water-soluble dye has a structure as follows:



R2 is selected from the group consisting of methyl, ethyl, propyl, isopropyl and halogen;

R3 is selected from the group consisting of H, SO₃H, COOH, and a polyether group

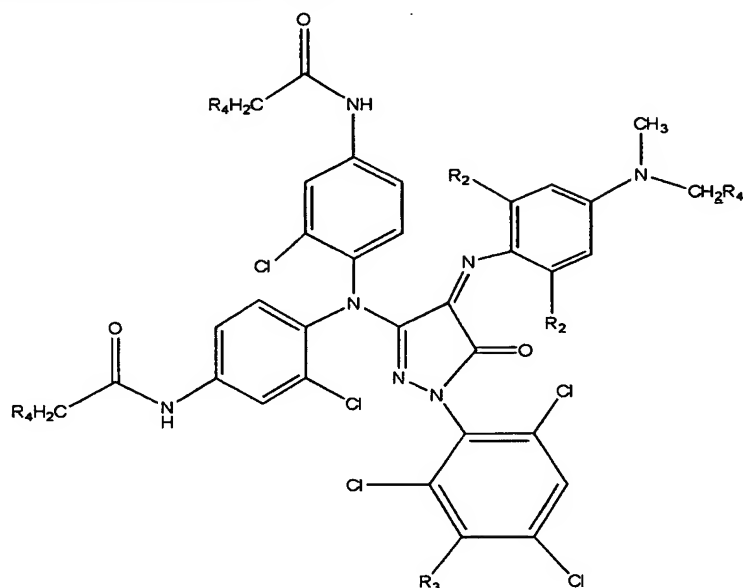


where n is from 2 to 100;

R4 is selected from the group consisting of H, SO₃H, COOH, CH₂SO₃H, CH₂COOH, C₂H₄SO₃H and C₂H₄COOH; and

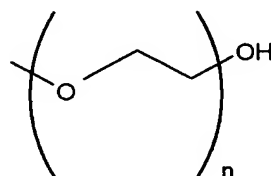
R5 is selected from the group consisting of ethyl, propyl, isopropyl, phenyl, substituted phenyl, and R4.

3. (currently amended) A magenta ink according to claim 1, wherein the water-soluble dye has a structure as follows:



wherein R₂ is selected from the group consisting of methyl, ethyl, propyl, isopropyl and halogen;

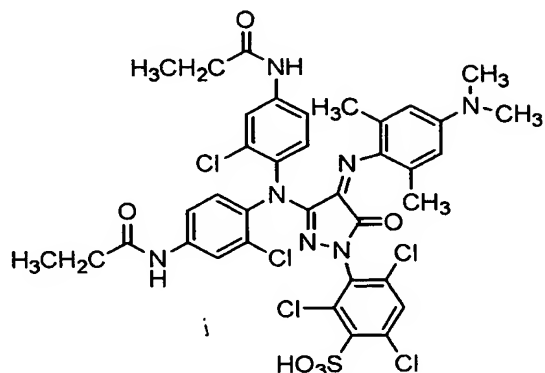
R₃ is selected from the group consisting of H, SO₃H, COOH, and a polyether group



where n is from 2 to 100; and

R₄ is selected from the group consisting of H, SO₃H, COOH, CH₂SO₃H, CH₂COOH, C₂H₄SO₃H and C₂H₄COOH.

4. (currently amended) A magenta ink according to claim 1, wherein the water-soluble dye has a structure as follows:



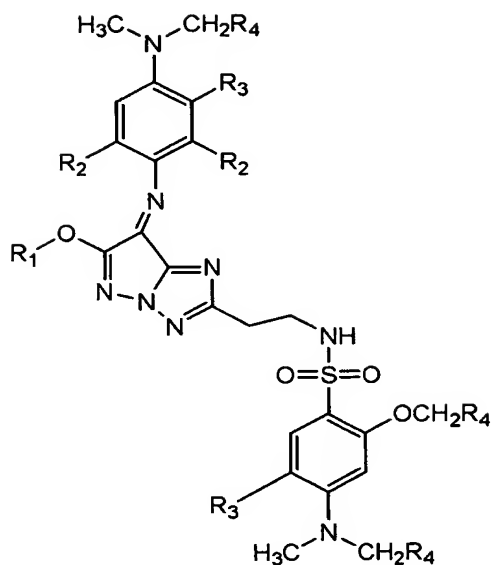
5. (currently amended) The magenta ink of claim 4 40 wherein said magenta ink comprises from about 0.5 to about 6 wt% dye.

6. (original) The magenta ink of claim 5 wherein said magenta ink comprises from about 0.5 to about 4 wt% dye.

7. (original) The ink of claim 1 further comprising:
about 5 to about 30 wt % of at least one organic solvent;
0 to about 2.0 wt % of at least one component independently selected from the group consisting of surfactants, buffers, biocides, and metal chelators.

8. (original) The ink of claim 1, having a visible light absorbance of 0.01 to 0.57 at λ_{max} and at a 1:10,000 dilution in water.

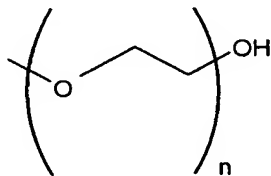
9. (withdrawn) A magenta ink for ink-jet printing, comprising a dye having the following structure:



wherein R1 is selected from the group consisting of ethyl isopropyl, isobutyl, phenyl and substituted phenyl;

R2 is selected from the group consisting of methyl, ethyl, propyl, isopropyl and halogen;

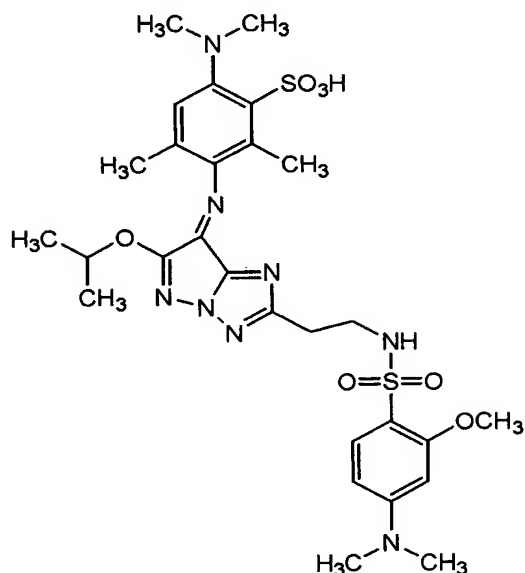
R3 is selected from the group consisting of H, SO₃H, COOH, and a polyether group



where n is from 2 to 100; and

R4 is selected from the group consisting of H, SO₃H, COOH, CH₂SO₃H, CH₂COOH, C₂H₄SO₃H and C₂H₄COOH.

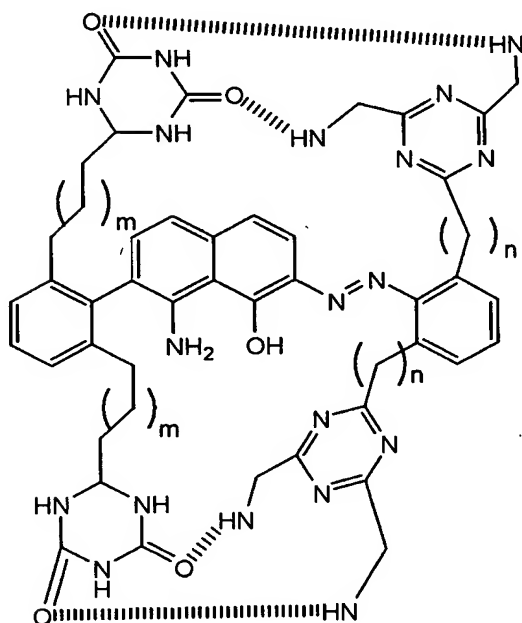
10. (withdrawn) The magenta ink of claim 9 wherein the dye has the following



structure:

11. (withdrawn) The magenta ink of claim 9 wherein said magenta ink comprises from about 0.5 to about 6 wt% dye.
12. (withdrawn) The magenta ink of claim 11 wherein said magenta ink comprises from about 0.5 to about 4 wt% dye.
13. (withdrawn) The ink of claim 9 further comprising:
about 5 to about 30 wt % of at least one organic solvent;
0 to about 2.0 wt % of at least one component independently selected from the group consisting of surfactants, buffers, biocides, and metal chelators.
14. (withdrawn) The ink of claim 9, having a visible light absorbance of 0.01 to 0.57 at λ_{max} and at a 1:10,000 dilution in water.

15. (withdrawn) A magenta ink for ink-jet printing, comprising a dye having the following structure:



wherein m and n are from 0 to 4 added carbons.

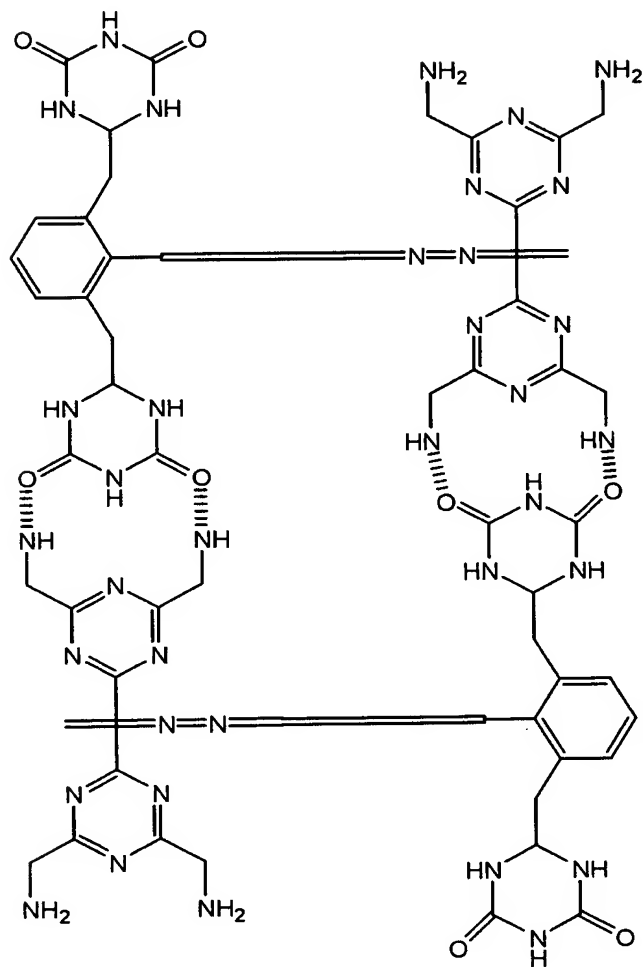
16. (withdrawn) The magenta ink of claim 15 wherein said magenta ink comprises from about 0.5 to about 6 wt% dye.

17. (withdrawn) The magenta ink of claim 16 wherein said magenta ink comprises from about 0.5 to about 4 wt% dye.

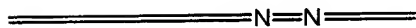
18. (withdrawn) The ink of claim 15 further comprising:
about 5 to about 30 wt % of at least one organic solvent;
0 to about 2.0 wt % of at least one component independently selected from the group consisting of surfactants, buffers, biocides, and metal chelators.

19. (withdrawn) The ink of claim 15, having a visible light absorbance of 0.01 to 0.57 at λ_{max} and at a 1:10,000 dilution in water.

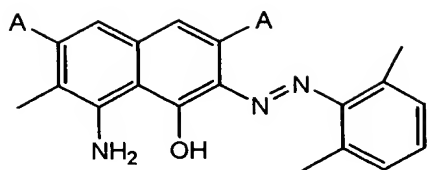
20. (withdrawn) A magenta ink for inkjet printing comprising a dye having the following structure:



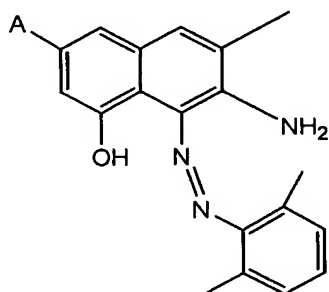
wherein



is an azo dye structure



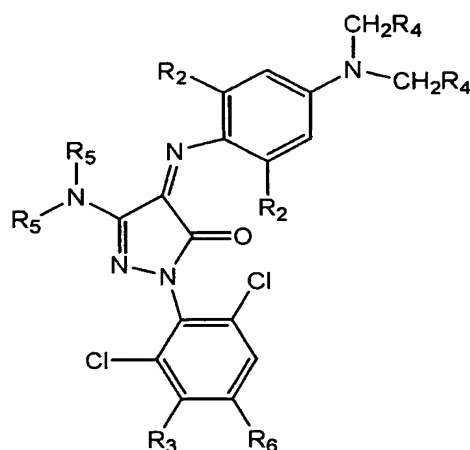
wherein A is selected from H and SO₃H,
or a gamma acid based dye structure



wherein A is selected from H and SO₃H.

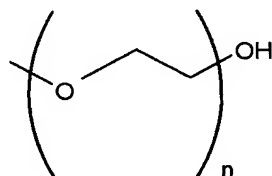
21. (withdrawn) The magenta ink of claim 20 wherein said magenta ink comprises from about 0.5 to about 6 wt% dye.
22. (withdrawn) The magenta ink of claim 21 wherein said magenta ink comprises from about 0.5 to about 4 wt% dye.
23. (withdrawn) The ink of claim 20 further comprising:
about 5 to about 30 wt % of at least one organic solvent;
0 to about 2.0 wt % of at least one component independently selected from the group consisting of surfactants, buffers, biocides, and metal chelators.
24. (withdrawn) The ink of claim 20, having a visible light absorbance of 0.01 to 0.57 at λ_{max} and at a 1:10,000 dilution in water.
25. (currently amended) A method for ink-jet printing, comprising:
providing at least one magenta ink containing at least one water-soluble magenta dye having a

visible light absorbance of 0.01 to 0.57 at λ_{max} at a 1:10,000 dilution in water and having a structure as follows:



wherein R2 is selected from the group consisting of methyl, ethyl, propyl, isopropyl and halogen;

R3 is selected from the group consisting of H, SO₃H, COOH, and a polyether group



where n is from 2 to 100;

R4 is selected from the group consisting of H, SO₃H, COOH, CH₂SO₃H, CH₂COOH, C₂H₄SO₃H and C₂H₄COOH;

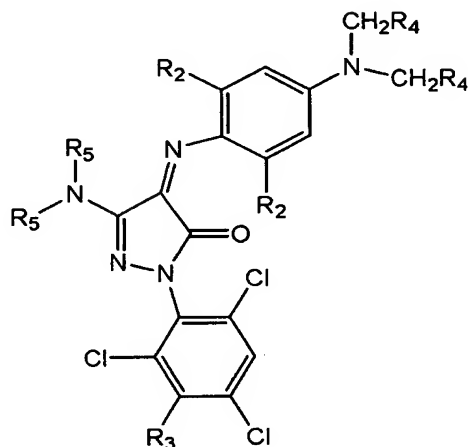
R5 is selected from the group consisting of ethyl, propyl, isopropyl, phenyl, substituted phenyl, and R4; and

R6 is selected from the group consisting of H, halogen, methyl, amino, substituted amino, R4 and R3;

and

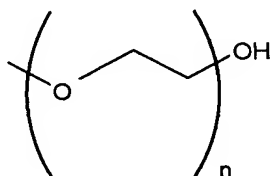
printing said ink on a printing medium by means of an ink-jet pen.

26. (currently amended) The method according to claim 25, wherein the structure of the water-soluble magenta dye is as follows:



wherein R² is selected from the group consisting of methyl, ethyl, propyl, isopropyl and halogen;

R3 is selected from the group consisting of H, SO₃H, COOH, and a polyether group

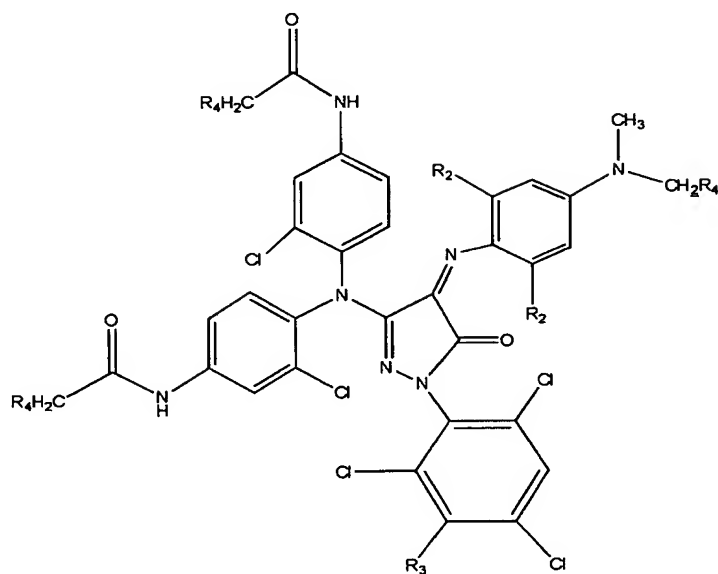


where n is from 2 to 100;

R4 is selected from the group consisting of H, SO₃H, COOH, CH₂SO₃H, CH₂COOH, C₂H₄SO₃H and C₂H₄COOH; and

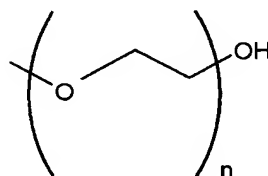
R5 is selected from the group consisting of ethyl, propyl, isopropyl, phenyl, substituted phenyl, and R4.

27. (currently amended) The method according to claim 25, wherein the structure of the water-soluble magenta dye is as follows:



wherein R₂ is selected from the group consisting of methyl, ethyl, propyl, isopropyl and halogen;

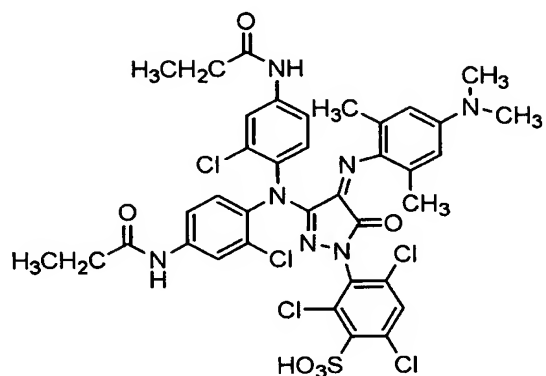
R₃ is selected from the group consisting of H, SO₃H, COOH, and a polyether group



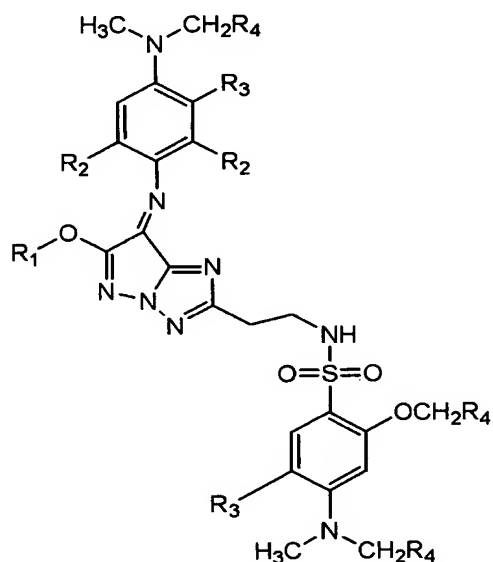
where n is from 2 to 100; and

R₄ is selected from the group consisting of H, SO₃H, COOH, CH₂SO₃H, CH₂COOH, C₂H₄SO₃H and C₂H₄COOH.

28. (currently amended) The method according to claim 25, wherein the structure of the water-soluble magenta dye is as follows:



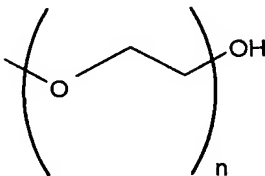
29. (withdrawn) A method for ink-jet printing, comprising:
providing at least one magenta ink containing at least one magenta dye having a visible light absorbance of 0.01 to 0.57 at λ_{max} at a 1:10,000 dilution in water and having a structure as follows:



wherein R1 is selected from the group consisting of ethyl isopropyl, isobutyl, phenyl and substituted phenyl;

R2 is selected from the group consisting of methyl, ethyl, propyl, isopropyl and halogen;

R3 is selected from the group consisting of H, SO₃H, COOH, and a polyether group



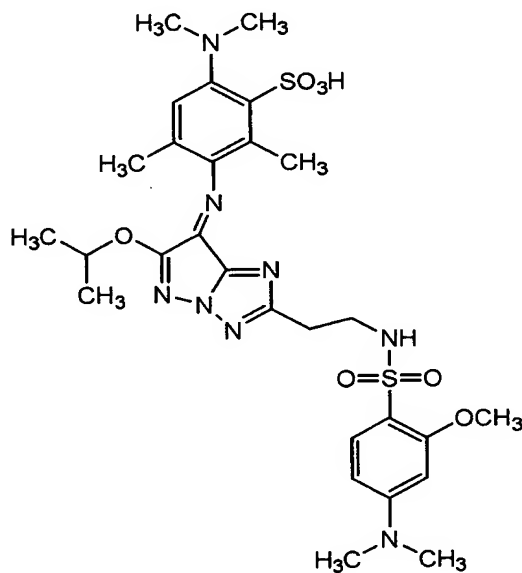
where n is from 2 to 100; and

R4 is selected from the group consisting of H, SO₃H, COOH, CH₂SO₃H, CH₂COOH, C₂H₄SO₃H and C₂H₄COOH;

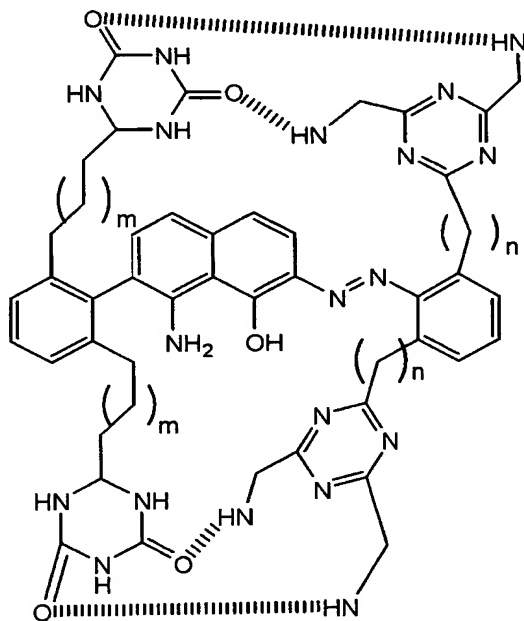
and

printing said ink on a printing medium by means of an ink-jet pen.

30. (withdrawn) The method according to claim 29 wherein the structure of the magenta dye is as follows:



31. (withdrawn) A method for ink-jet printing, comprising:
providing at least one magenta ink containing at least one magenta dye having a visible light absorbance of 0.01 to 0.57 at λ_{max} at a 1:10,000 dilution in water and having a structure as follows:

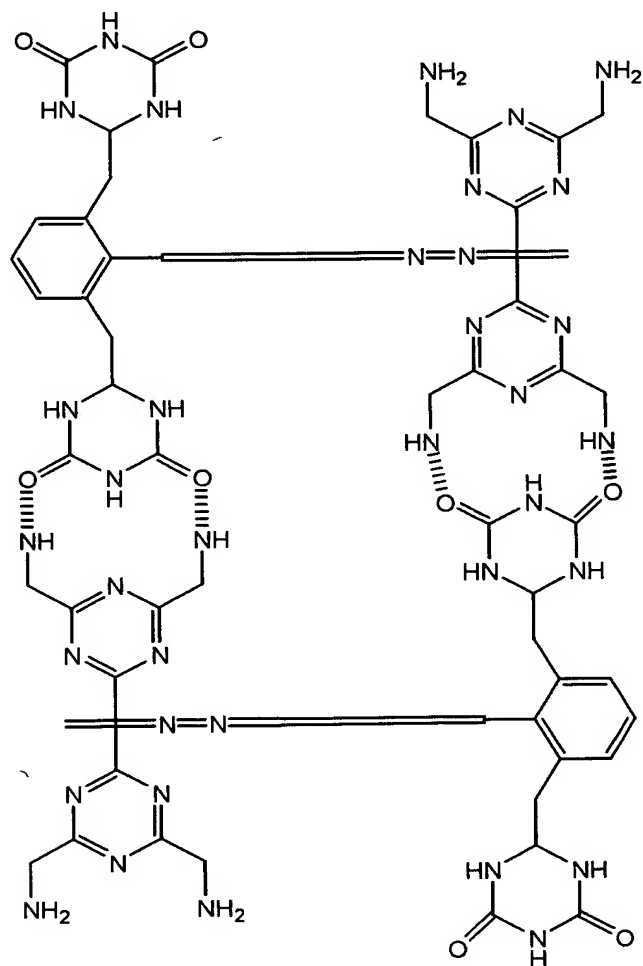


wherein m and n are from 0 to 4 added carbons.

and

printing said ink on a printing medium by means of an ink-jet pen.

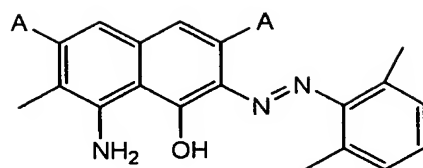
32. (withdrawn) A method for ink-jet printing, comprising:
 providing at least one magenta ink containing at least one magenta dye having a
 visible light absorbance of 0.01 to 0.57 at λ_{max} at a 1:10,000 dilution in water
 and having a structure as follows:



wherein

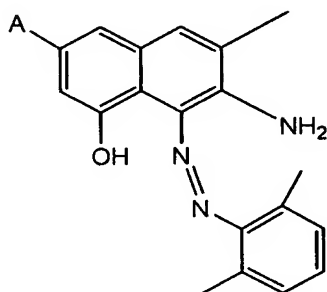


is an azo dye structure



wherein A is selected from H and SO₃H,

or a gamma acid based dye structure

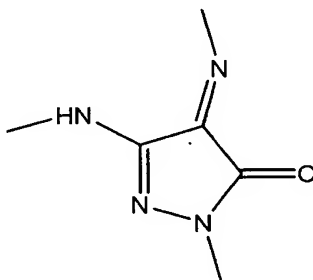


wherein A is selected from H and SO₃H.

; and

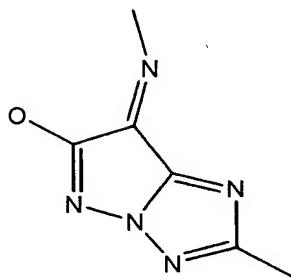
printing said ink on a printing medium by means of an ink-jet pen.

33. (withdrawn) A method of stabilizing chromophore dyes containing imino groups, the imino groups selected from the group consisting of imino groups A



and B:

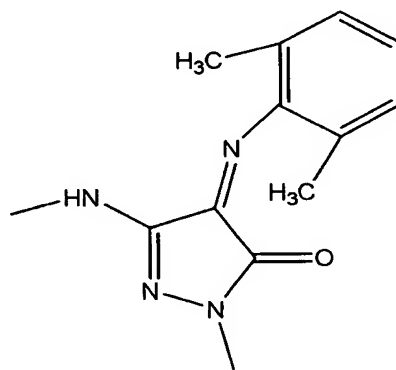
A



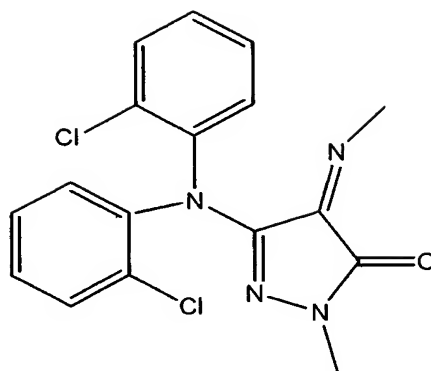
B

the method comprising adding steric groups to protect imino carbons, the steric groups being selected from phenyl, methyl, ethyl, isopropyl, fluoride, chloride, bromide and iodide.

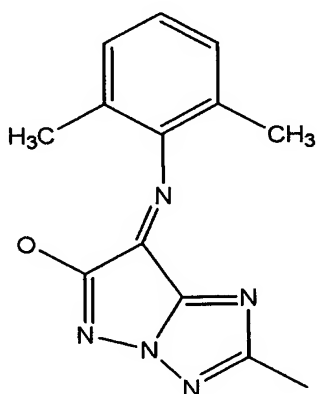
34. (withdrawn) The method of claim 33 wherein the imino group A is protected by at least one methyl group attached ortho to an imino N-attached phenyl group:



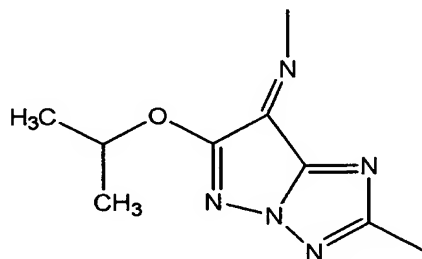
35. (withdrawn) The method of claim 33 wherein the imino group A is protected by at least one phenyl group with at least one ortho chlorine attached:



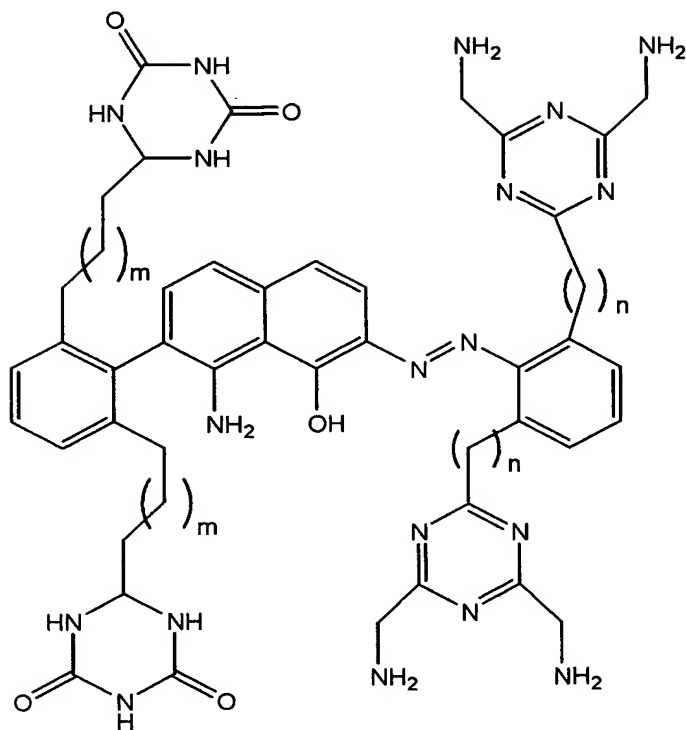
36. (withdrawn) The method of claim 33 wherein the imino group B is protected by at least one phenyl group with at least one methyl group attached:



37. (withdrawn) The method of claim 33 wherein the imino group B is protected by at least one O-attached isopropyl group:

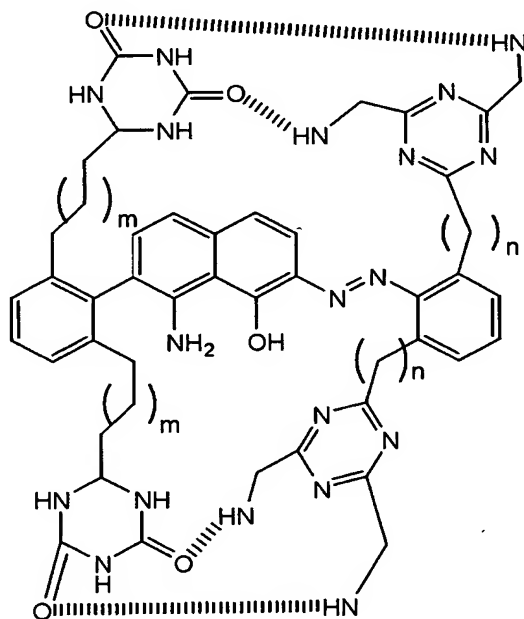


38. (withdrawn) A method of stabilizing chromophore dyes comprising arms ending in at least one of cyanuric and melamine groups:



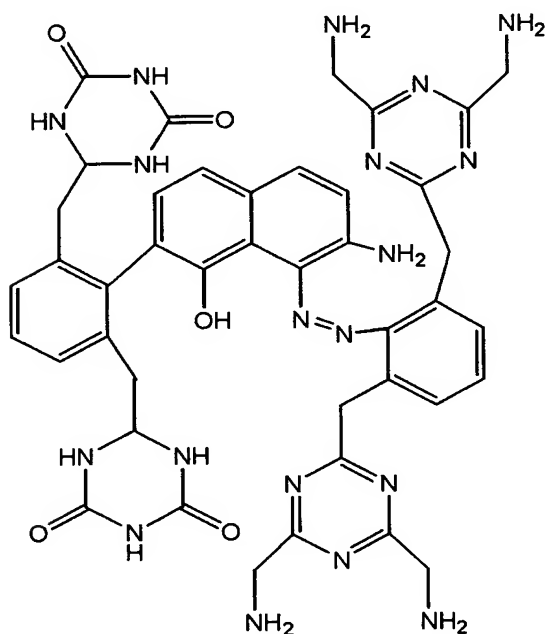
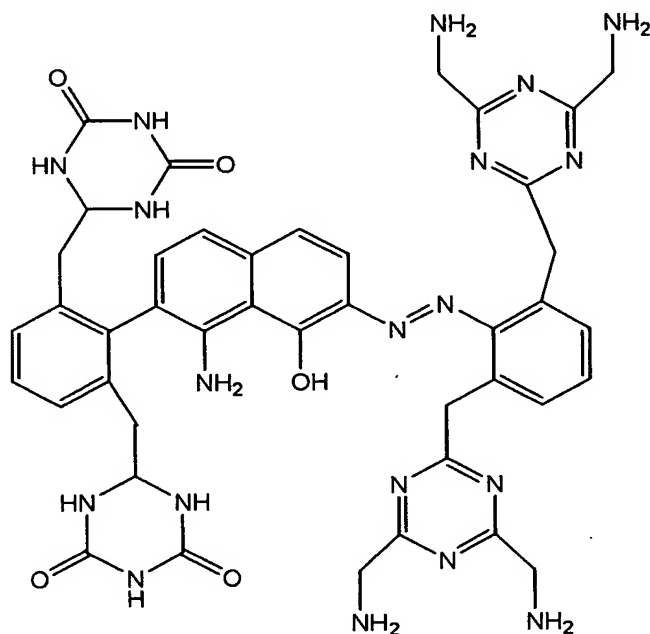
wherein m and n are from 0 to 4 added carbons.

the method comprising forming intramolecular hydrogen bonds between the cyanuric and melamine groups

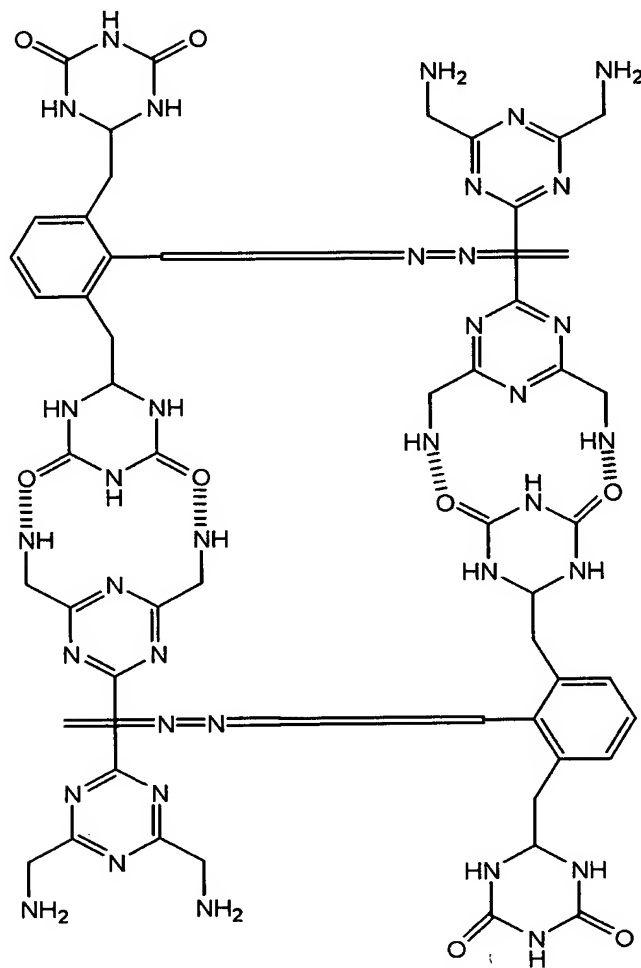


wherein m and n are from 0 to 4 added carbons.

39. (withdrawn) A method of stabilizing chromophore dyes with one of the following structures comprising arms ending in at least one of cyanuric and melamine groups:



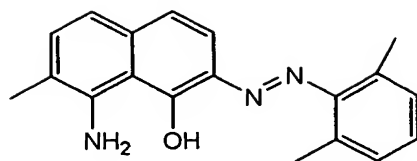
the method comprising forming intermolecular hydrogen bonds between the cyanuric and melamine groups of two different dye molecules:



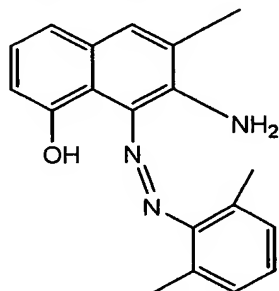
wherein



is an azo dye structure



or a gamma acid based dye structure



40. (new) The magenta ink of claim 1 wherein said magenta ink comprises from about 0.1 to about 6 wt% dye.